

Table 5-2
Weight Percents for COCs in Different Products

	Weight Percent (%)									
	Gasoline		Diesel		Jet Fuel (JP-4 & JP-5)		Kerosene		Fuel Oil No. 6	
	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average
VOLATILES										
Benzene	1.6-2.3	1.90	0.0026-0.1	0.029	0.47-0.5	0.47	---	---	---	---
Toluene	6.4-10	8.10	0.0069-0.7	0.180	1.3-1.6	1.6	---	---	---	---
Ethylbenzene	1.4-2	1.70	0.007-0.2	0.068	0.37-0.69	0.66	---	---	---	---
o-Xylene	2.1-3.1	2.50	0.0012-0.085	0.043	---	0.545	---	---	---	---
m-Xylene	3.9-5.4	4.60	0.009-0.255	0.110	---	0.545	---	---	---	---
p-Xylene	1.6-2.3	1.90	0.009-0.255	0.110	---	0.35	---	---	---	---
Xylenes (total)	---	---	---	0.5	---	---	---	---	---	---
1,2-Dibromoethane/Ethylene dibromide (EDB)	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane/Ethylene dichloride (EDC)	---	---	---	---	---	---	---	---	---	---
PAHs										
Acenaphthene	---	---	---	---	---	---	---	0.0047		
Anthracene	---	---	3.0E6 -0.02	5.80E-03	---	---	---	0.00012		0.005
Benzo(a)anthracene	---	---	2.0E-6 - 6.7E-4	9.60E-05	---	---	---	---	0.0029-0.15	0.055
Benzo(a)pyrene	---	---	5.0E-6 - 8.4E-4	2.20E-04	---	---	---	---		0.0044
Benzo(b)fluoranthene	---	---	1.55E-07 - 9.5E-05	1.55E-04	---	---	---	---		0.022
Benzo(k)fluoranthene	---	---	1.55E-07 - 9.5E-06	1.55E-04	---	---	---	---		0.022
Chrysene	---	---		4.50E-05	---	---	---	---	0.0029-0.31	0.069
Dibenz(a,h)anthracene	---	---	---	---	---	---	---	---		
Fluoranthene	---	---	6.8E-7 - 0.02	0.0059	---	---	---	0.00086		0.024
Fluorene	---	---	0.034-0.15	0.086	---	---	---	---		
Naphthalene	0.15-0.36	0.25	0.01-0.8	0.26	0.25-0.5	0.41	0.15-0.46	0.31	0.00021-0.015	0.0042
Pyrene	---	---	0.000018-0.015	0.0046	---	---	---	0.00024		0.0023

Notes:

Data from Total Petroleum Hydrocarbon Criteria Working Group (TPHCWG), May 1998. TPHCWG Series Volume 2: Composition of Petroleum Mixtures.

1. ---: Not available. For these COCs pure product solubilities and saturated vapor concentrations were used.

See discussion at 6.8.3 and Section B.8

2. Jet Fuel: Average values of JP-4 and JP-5 are taken.

3. Diesel: Values were available for m+p-Xylene. Each was considered 50% composition.

4. Diesel and Fuel Oil No. 6: Values were available for Benzo(b+k)fluoranthene. Each was considered 50% composition.